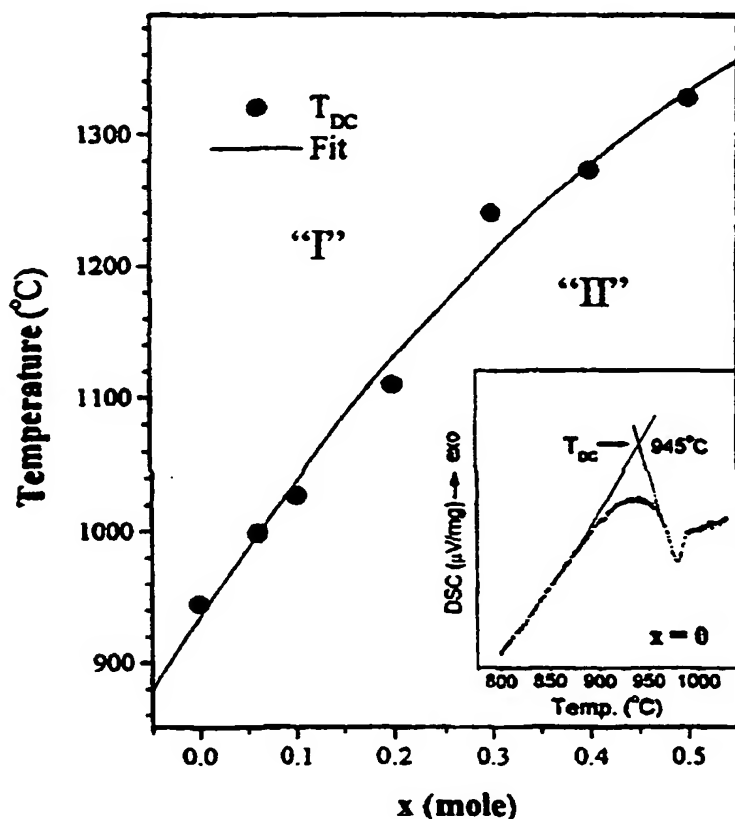


(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
8 November 2001 (08.11.2001)

PCT

(10) International Publication Number
WO 01/83395 A1(51) International Patent Classification⁷: **C04B 35/46,**
H01B 3/12[KR/KR]; Taeneung-woosung Apt. 6-803, Kongneung
2-dong, Nowon-ku, Seoul 139-242 (KR). **KIM, Hyo-Tae**
[KR/KR]; Kist Dormitory 36, 39-1, Hawolgok-dong,
Sungbook-ku, Seoul 136-791 (KR).(21) International Application Number: **PCT/KR00/00984**(22) International Filing Date: **30 August 2000 (30.08.2000)**(74) **Agent: PARK, Jang-Won;** Jewoo Building 5th floor, 200,
Nonhyun-dong, Kangnam-ku, Seoul 135-010 (KR).(25) Filing Language: **Korean**(26) Publication Language: **English**(81) Designated States (*national*): **CN, IN, JP, US.**(30) Priority Data:
2000-23676 3 May 2000 (03.05.2000) **KR**(84) Designated States (*regional*): European patent (AT, BE,
CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC,
NL, PT, SE).(71) Applicant (*for all designated States except US*): **KOREA**
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136-791 (KR).**Published:**
— *with international search report*

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(75) Inventors/Applicants (*for US only*): **KIM, Yoon-Ho***For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*(54) Title: **LOW TEMPERATURE SINTERABLE AND LOW LOSS DIELECTRIC CERAMIC COMPOSITIONS AND METHOD THEREOF**(57) **Abstract:** A low loss high-frequency dielectric ceramic composition for sintering at a low temperature and method of manufacturing the same which is characterized in that excellent dielectric properties such as a much lower sintering temperature and higher quality coefficient and dielectric constant, compared to a conventional high-frequency ceramic composition, a stabilized temperature coefficient, and a temperature compensating property varied according to a composition, are implemented using a low-priced material such as ZnO-Mo (M=Mg, Co, Ni)-TiO₂. In addition, Ag, Cu, an alloy thereof, or an Ag/Pd alloy can be used as an internal electrode. Thus, the composition of the present invention can be used as a dielectric material for all sorts of high-frequency devices, such as a multilayer chip capacitor, multilayer chip filter, multilayer chip capacitor/inductor composite device and module, low temperature sintered substrate, resonator or filter and ceramic antenna.

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